

Supporting Information

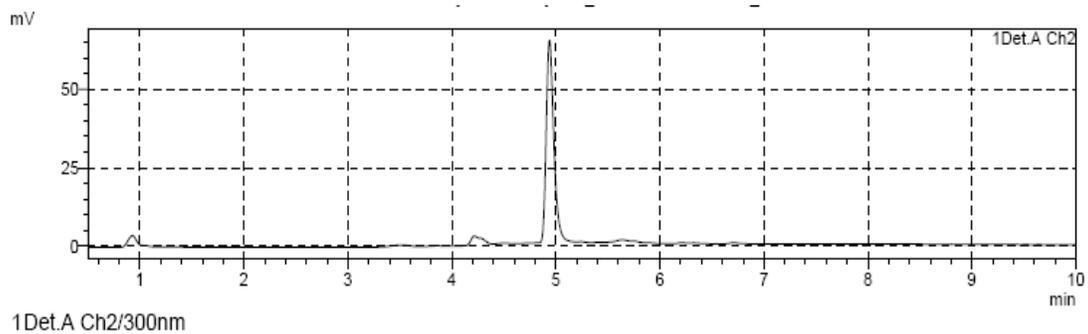
Heptamethine Cyanine Dyes with Robust C-C Bond at the Central Position of Chromophore

*Hyeran Lee, J. Christian Mason, and Samuel Achilefu**

Department of Radiology, Washington University, St. Louis, Missouri 63110

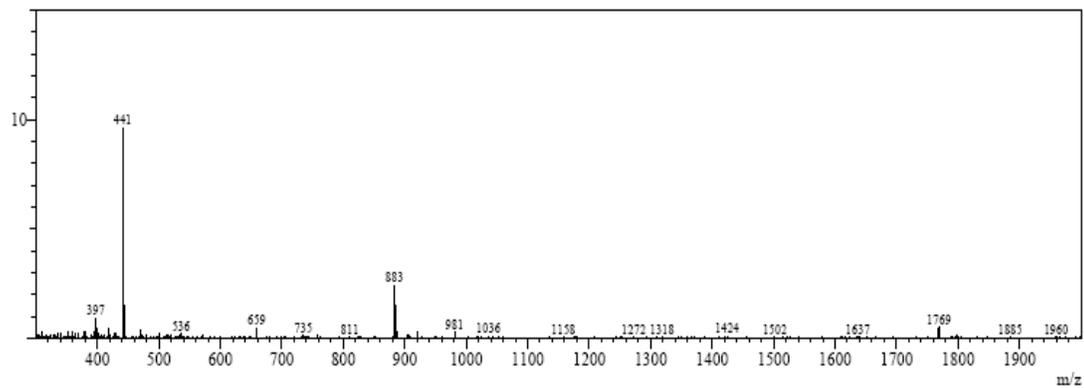
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LC-MS spectrum of compound 2a

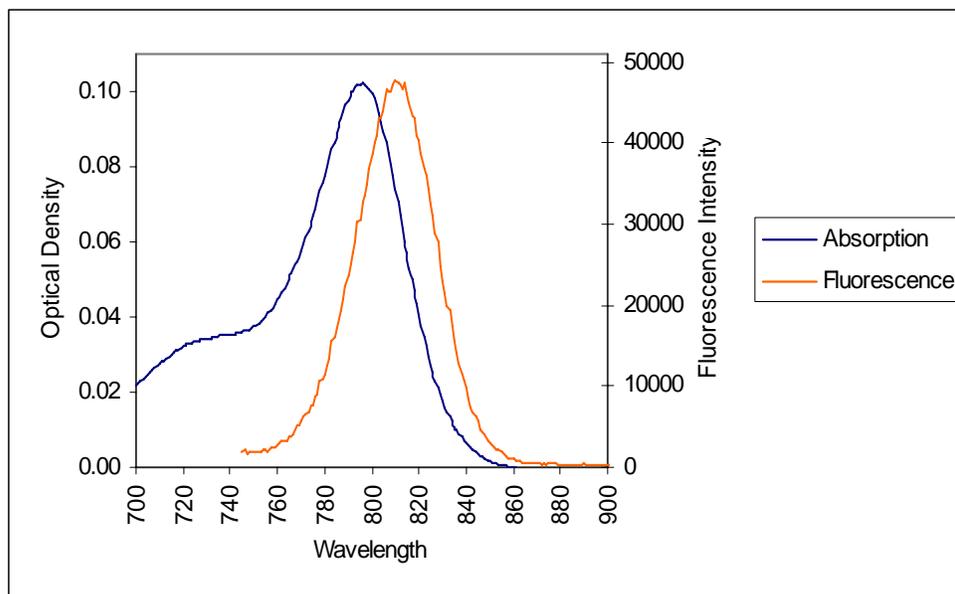


MS Spectrum Graph

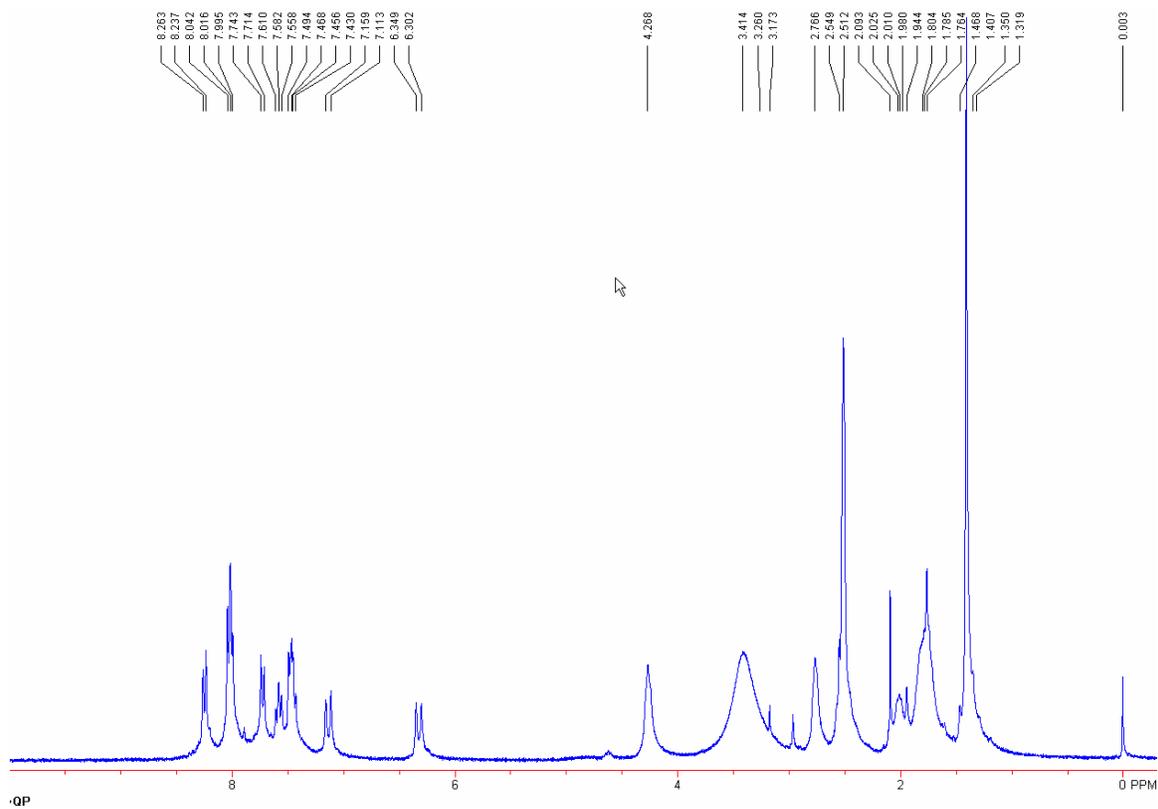
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BG Mode: ?
Mass Peaks: 1692 Base Peak: 226.85(1486700) Polarity: Neg Segment1 - Event1



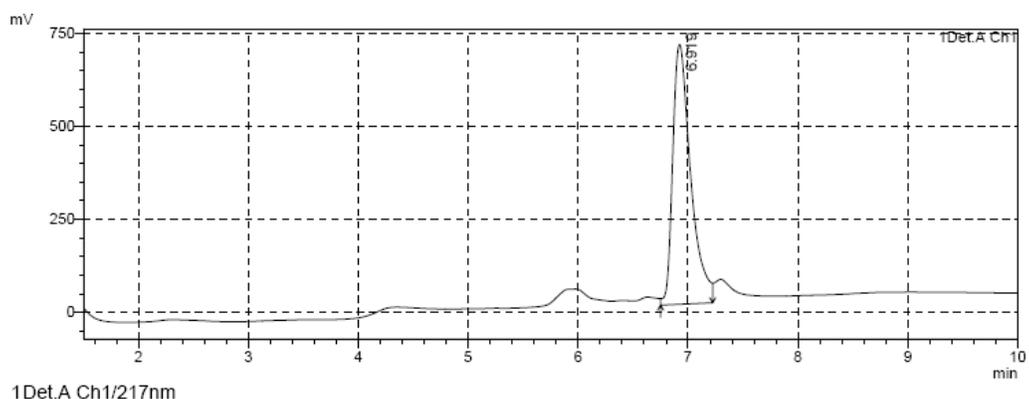
Normalized UV-Vis and Emission Spectra of Compound **2a,b** in 20% aqueous DMSO solution.



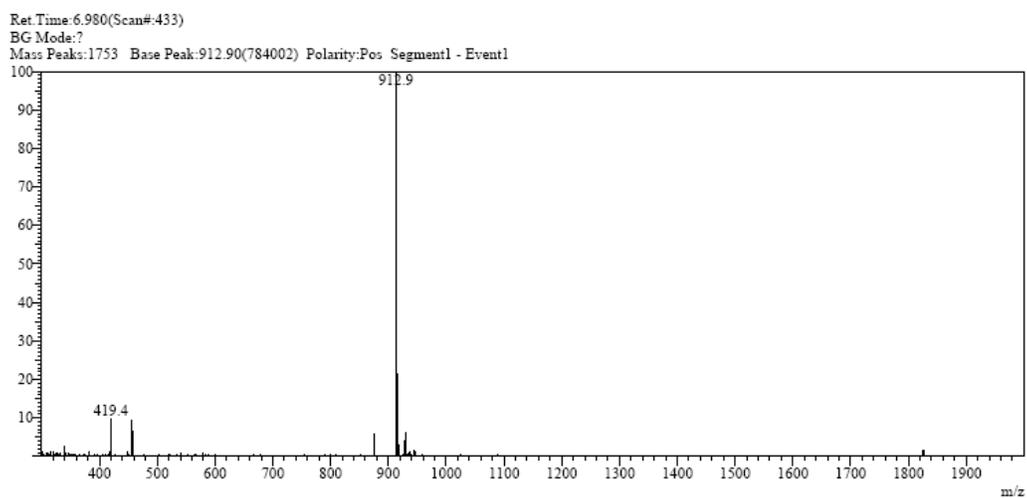
^1H NMR spectrum of compound **2b**



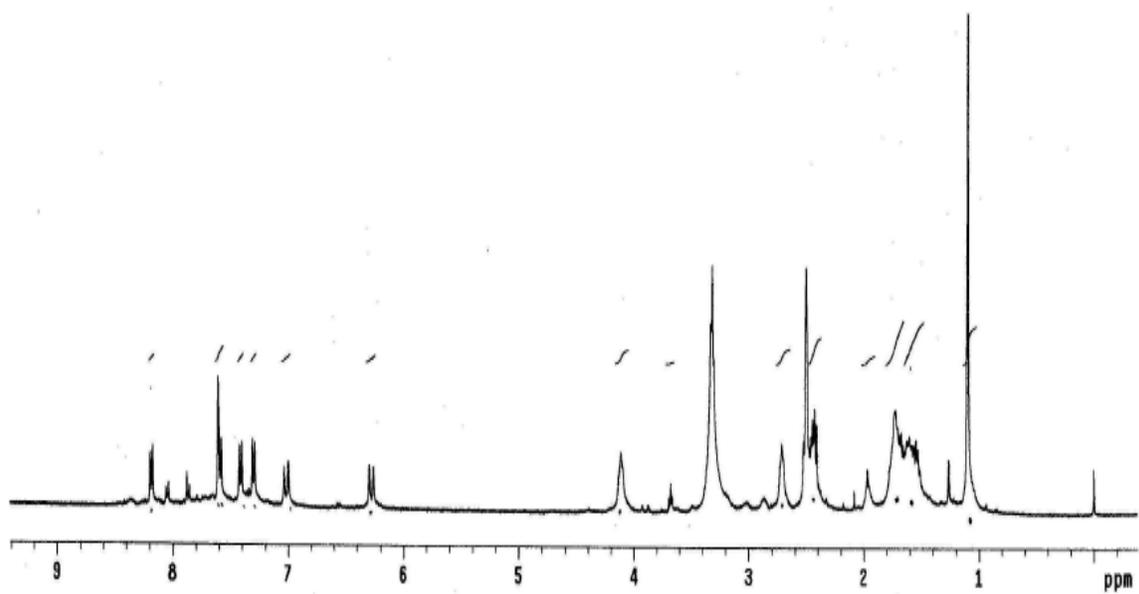
LC-MS spectrum of compound **2b**



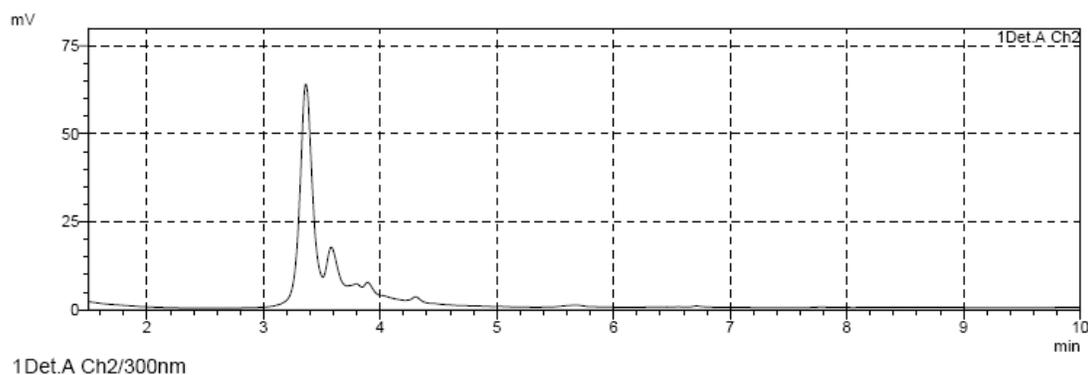
MS Spectrum Graph



^1H NMR spectrum of compound **2c**



LC-MS spectrum of compound 2c



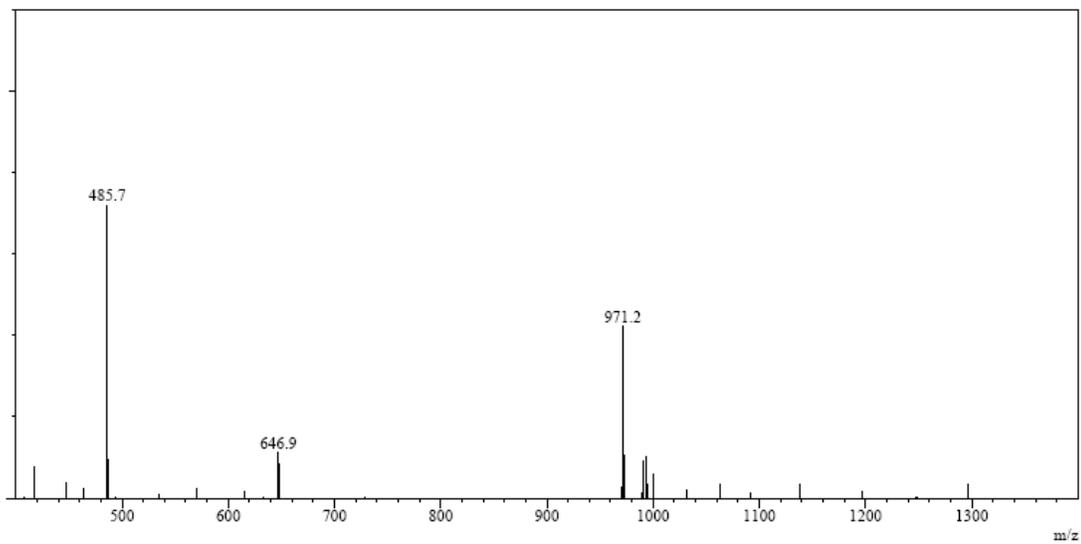
1Det.A Ch2/300nm

MS Spectrum Graph

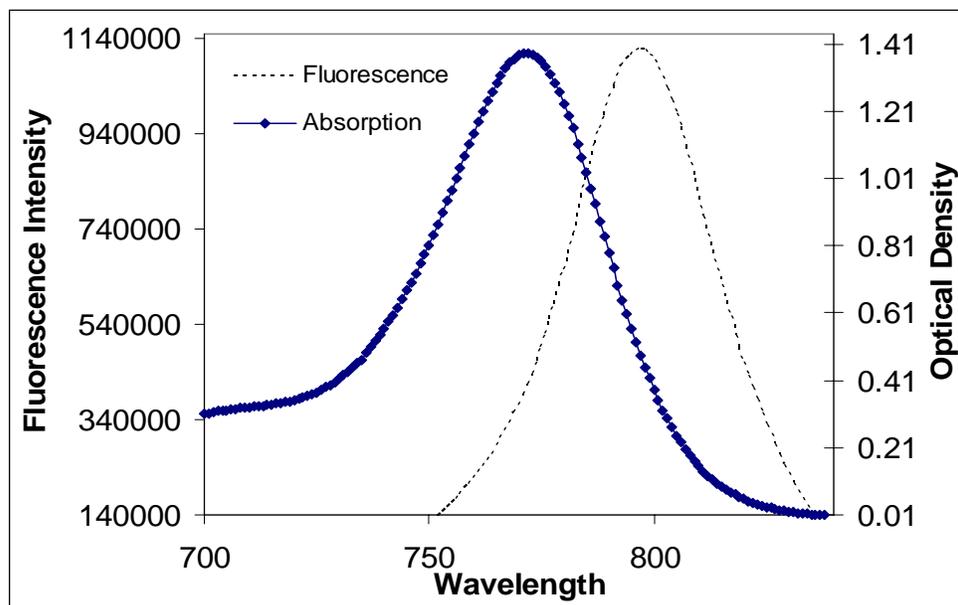
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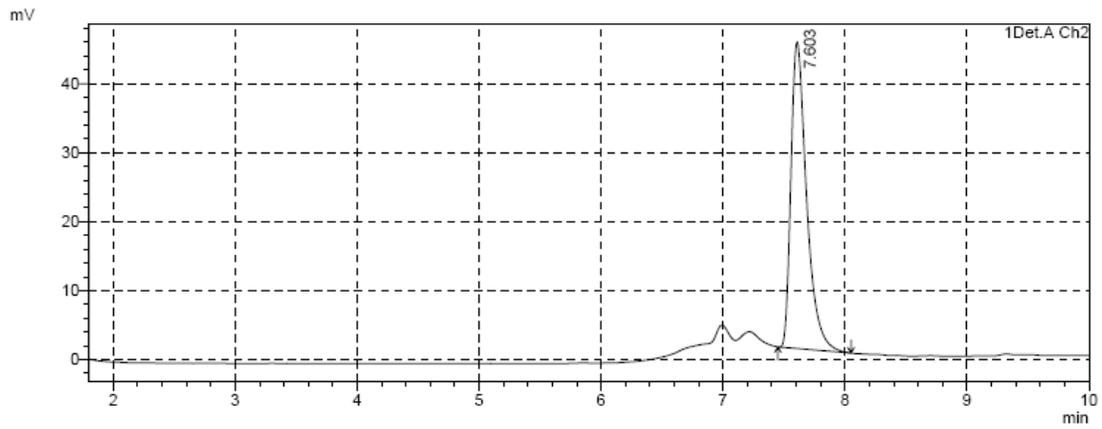
Mass Peaks:86 Base Peak:226.85(2690884) Polarity:Neg Segment1 - Event1



Normalized UV-Vis and Emission Spectra of Compound **2c** in 20% aqueous DMSO solution.



LC-MS spectrum of compound 3.



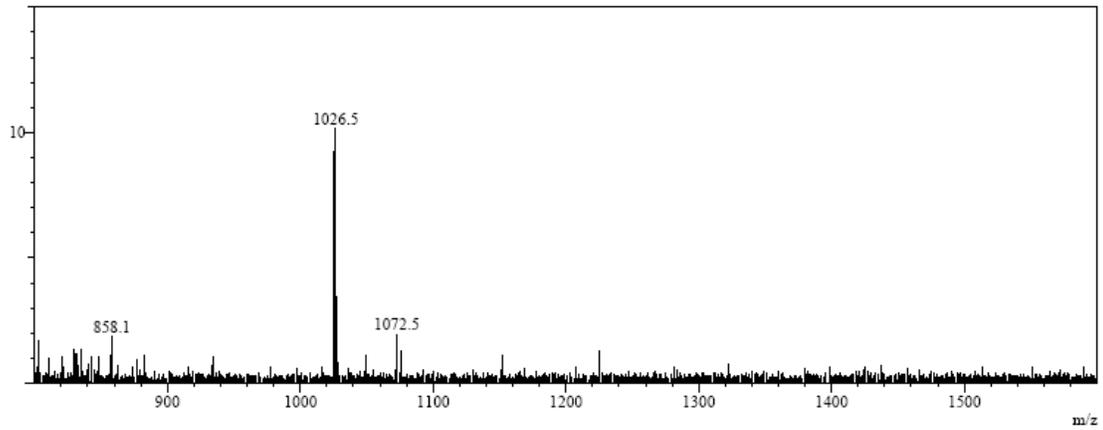
1Det.A Ch2/300nm

MS Spectrum Graph

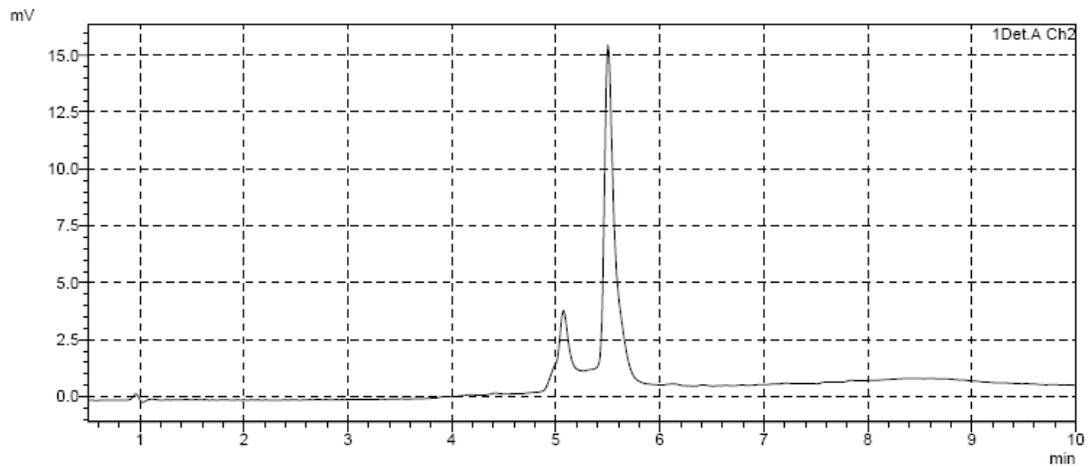
Ret.Time:7.670(Scan#:479)

BG Mode:?

Mass Peaks:1429 Base Peak:574.80(87752) Polarity:Pos Segment1 - Event1



LC-MS spectrum of compound 5.



1Det.A Ch2/300nm

